


# ACKNOWLEDGEMENT RECEIPT

Electronic Version

Stylesheet Version v01

| Title of Invention         | METHOD FOR PROGRAMMING, ERASING AND READING A FLASH MEMORY CELL   |  |                          |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
|----------------------------|---|--|--------------------------|-------------------|-----------|--------------|---|----------------------------|---------------------|-----|------------|----------------------------|--------------------------------|------|------------|----------------------------|--------------------------------|-------|------------|------------|---------------------|------|------------|------------|----------------|-------|------------|------------|----------------|-------|------------|---------------|---------------------|------|------------|---------------|-------------------|------|------------|---------------|-------------------|-------|------------|---------------|------------------|-------|------------|---------------|------------------|-------|------------|----------------|---------------------|------|------------|----------------|--------------------|------|------------|----------------|--------------------|-------|------------|--------------|---------------------|------|------------|--------------|------------------|-------|------------|--------------|------------------|-------|------------|------------------|--------------------|-------|------------|------------------|-------------------------|-------|------------|------------------|----------------------|-------|------------|------------------|----------|------|------------|------------------|-------------|-------|------------|------------------|---------------------|-------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|------------|------|------------|
| Submission Type :          | Utility Patent Filing   |  |                          |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| Application Number:        | 10/707474   |  |                          |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| EFS ID:                    | 52425   |  |                          |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| Server Response:           | <table border="1"><thead><tr><th>Confirmation Code</th><th>Message</th></tr></thead><tbody><tr><td>ISVR1</td><td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td></tr><tr><td>ICON1</td><td>1473</td></tr></tbody></table>  |  |                          | Confirmation Code | Message   | ISVR1        | Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application | ICON1                      | 1473                |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| Confirmation Code          | Message   |  |                          |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| ISVR1                      | Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application   |  |                          |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| ICON1                      | 1473  |  |                          |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| First Named Applicant:     | Ching-Hsiang Hsu  |  |                          |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| Attorney Docket Number:    | EMEP0056USA   |  |                          |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| Timestamp:                 | 2003-12-17 05:02:59 EDT   |  |                          |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| From:                      | us  |  |                          |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| File Listing:              | <table border="1"><thead><tr><th>Doc. Name</th><th>File Name</th><th>Size (Bytes)</th><th>Date Produced (yyyymmdd)</th></tr></thead><tbody><tr><td>us-power-of-attorney-grant</td><td>EMEP0056-uspoat.xml</td><td>993</td><td>2003-12-17</td></tr><tr><td>us-power-of-attorney-grant</td><td>us-power-of-attorney-grant.dtd</td><td>4923</td><td>2003-12-17</td></tr><tr><td>us-power-of-attorney-grant</td><td>us-power-of-attorney-grant.xsl</td><td>12448</td><td>2003-12-17</td></tr><tr><td>us-request</td><td>EMEP0056-usrequ.xml</td><td>3578</td><td>2003-12-17</td></tr><tr><td>us-request</td><td>us-request.dtd</td><td>19064</td><td>2003-12-17</td></tr><tr><td>us-request</td><td>us-request.xsl</td><td>33300</td><td>2003-12-17</td></tr><tr><td>us-assignment</td><td>EMEP0056-usassn.xml</td><td>2301</td><td>2003-12-17</td></tr><tr><td>us-assignment</td><td>us-assignment.xml</td><td>8983</td><td>2003-12-17</td></tr><tr><td>us-assignment</td><td>us-assignment.dtd</td><td>10898</td><td>2003-12-17</td></tr><tr><td>us-assignment</td><td>EMEP0056ASS1.tif</td><td>43310</td><td>2003-12-17</td></tr><tr><td>us-assignment</td><td>EMEP0056ASS2.tif</td><td>39384</td><td>2003-12-17</td></tr><tr><td>us-declaration</td><td>EMEP0056-usdecl.xml</td><td>1316</td><td>2003-12-17</td></tr><tr><td>us-declaration</td><td>us-declaration.dtd</td><td>3833</td><td>2003-12-17</td></tr><tr><td>us-declaration</td><td>us-declaration.xsl</td><td>10015</td><td>2003-12-17</td></tr><tr><td>us-fee-sheet</td><td>EMEP0056-usfees.xml</td><td>2045</td><td>2003-12-17</td></tr><tr><td>us-fee-sheet</td><td>us-fee-sheet.xsl</td><td>24912</td><td>2003-12-17</td></tr><tr><td>us-fee-sheet</td><td>us-fee-sheet.dtd</td><td>11069</td><td>2003-12-17</td></tr><tr><td>application-body</td><td>EMEP0056-trans.xml</td><td>58681</td><td>2003-12-17</td></tr><tr><td>application-body</td><td>us-application-body.xsl</td><td>83497</td><td>2003-12-17</td></tr><tr><td>application-body</td><td>application-body.dtd</td><td>49498</td><td>2003-12-17</td></tr><tr><td>application-body</td><td>wipo.ent</td><td>4956</td><td>2003-12-17</td></tr><tr><td>application-body</td><td>mathml2.dtd</td><td>54588</td><td>2003-12-17</td></tr><tr><td>application-body</td><td>mathml2-qname-1.mod</td><td>13225</td><td>2003-12-17</td></tr><tr><td>application-body</td><td>isoamsa.ent</td><td>5191</td><td>2003-12-17</td></tr><tr><td>application-body</td><td>isoamsb.ent</td><td>3988</td><td>2003-12-17</td></tr><tr><td>application-body</td><td>isoamsc.ent</td><td>1460</td><td>2003-12-17</td></tr><tr><td>application-body</td><td>isoamsn.ent</td><td>5620</td><td>2003-12-17</td></tr><tr><td>application-body</td><td>isoamso.ent</td><td>1934</td><td>2003-12-17</td></tr><tr><td>application-body</td><td>isoamsr.ent</td><td>7073</td><td>2003-12-17</td></tr><tr><td>application-body</td><td>isogr3.ent</td><td>3559</td><td>2003-12-17</td></tr></tbody></table> |  |                          | Doc. Name         | File Name | Size (Bytes) | Date Produced (yyyymmdd)  | us-power-of-attorney-grant | EMEP0056-uspoat.xml | 993 | 2003-12-17 | us-power-of-attorney-grant | us-power-of-attorney-grant.dtd | 4923 | 2003-12-17 | us-power-of-attorney-grant | us-power-of-attorney-grant.xsl | 12448 | 2003-12-17 | us-request | EMEP0056-usrequ.xml | 3578 | 2003-12-17 | us-request | us-request.dtd | 19064 | 2003-12-17 | us-request | us-request.xsl | 33300 | 2003-12-17 | us-assignment | EMEP0056-usassn.xml | 2301 | 2003-12-17 | us-assignment | us-assignment.xml | 8983 | 2003-12-17 | us-assignment | us-assignment.dtd | 10898 | 2003-12-17 | us-assignment | EMEP0056ASS1.tif | 43310 | 2003-12-17 | us-assignment | EMEP0056ASS2.tif | 39384 | 2003-12-17 | us-declaration | EMEP0056-usdecl.xml | 1316 | 2003-12-17 | us-declaration | us-declaration.dtd | 3833 | 2003-12-17 | us-declaration | us-declaration.xsl | 10015 | 2003-12-17 | us-fee-sheet | EMEP0056-usfees.xml | 2045 | 2003-12-17 | us-fee-sheet | us-fee-sheet.xsl | 24912 | 2003-12-17 | us-fee-sheet | us-fee-sheet.dtd | 11069 | 2003-12-17 | application-body | EMEP0056-trans.xml | 58681 | 2003-12-17 | application-body | us-application-body.xsl | 83497 | 2003-12-17 | application-body | application-body.dtd | 49498 | 2003-12-17 | application-body | wipo.ent | 4956 | 2003-12-17 | application-body | mathml2.dtd | 54588 | 2003-12-17 | application-body | mathml2-qname-1.mod | 13225 | 2003-12-17 | application-body | isoamsa.ent | 5191 | 2003-12-17 | application-body | isoamsb.ent | 3988 | 2003-12-17 | application-body | isoamsc.ent | 1460 | 2003-12-17 | application-body | isoamsn.ent | 5620 | 2003-12-17 | application-body | isoamso.ent | 1934 | 2003-12-17 | application-body | isoamsr.ent | 7073 | 2003-12-17 | application-body | isogr3.ent | 3559 | 2003-12-17 |
| Doc. Name                  | File Name   | Size (Bytes)   | Date Produced (yyyymmdd) |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-power-of-attorney-grant | EMEP0056-uspoat.xml   | 993  | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-power-of-attorney-grant | us-power-of-attorney-grant.dtd  | 4923   | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-power-of-attorney-grant | us-power-of-attorney-grant.xsl  | 12448  | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-request                 | EMEP0056-usrequ.xml   | 3578   | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-request                 | us-request.dtd  | 19064  | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-request                 | us-request.xsl  | 33300  | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-assignment              | EMEP0056-usassn.xml   | 2301   | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-assignment              | us-assignment.xml   | 8983   | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-assignment              | us-assignment.dtd   | 10898  | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-assignment              | EMEP0056ASS1.tif  | 43310  | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-assignment              | EMEP0056ASS2.tif  | 39384  | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-declaration             | EMEP0056-usdecl.xml   | 1316   | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-declaration             | us-declaration.dtd  | 3833   | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-declaration             | us-declaration.xsl  | 10015  | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-fee-sheet               | EMEP0056-usfees.xml   | 2045   | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-fee-sheet               | us-fee-sheet.xsl  | 24912  | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-fee-sheet               | us-fee-sheet.dtd  | 11069  | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | EMEP0056-trans.xml  | 58681  | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | us-application-body.xsl   | 83497  | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | application-body.dtd  | 49498  | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | wipo.ent  | 4956   | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | mathml2.dtd   | 54588  | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | mathml2-qname-1.mod   | 13225  | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | isoamsa.ent   | 5191   | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | isoamsb.ent   | 3988   | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | isoamsc.ent   | 1460   | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | isoamsn.ent   | 5620   | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | isoamso.ent   | 1934   | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | isoamsr.ent   | 7073   | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | isogr3.ent  | 3559   | 2003-12-17               |                   |           |              |   |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |

| Doc. Name        | File Name           | Size (Bytes) | Date Produced (yyyymmdd) |
|------------------|---------------------|--------------|--------------------------|
| application-body | isomfrk.ent         | 4553         | 2003-12-17               |
| application-body | isomopf.ent         | 2571         | 2003-12-17               |
| application-body | isomscr.ent         | 4628         | 2003-12-17               |
| application-body | isotech.ent         | 5268         | 2003-12-17               |
| application-body | isobox.ent          | 3568         | 2003-12-17               |
| application-body | isocyr1.ent         | 5345         | 2003-12-17               |
| application-body | isocyr2.ent         | 2504         | 2003-12-17               |
| application-body | isodia.ent          | 1508         | 2003-12-17               |
| application-body | isolat1.ent         | 5282         | 2003-12-17               |
| application-body | isolat2.ent         | 9007         | 2003-12-17               |
| application-body | isonum.ent          | 5913         | 2003-12-17               |
| application-body | isopub.ent          | 6621         | 2003-12-17               |
| application-body | mmlextra.ent        | 7901         | 2003-12-17               |
| application-body | mmlalias.ent        | 38209        | 2003-12-17               |
| application-body | soextblx.dtd        | 12870        | 2003-12-17               |
| application-body | EMEP0056SYM1.tif    | 306          | 2003-12-17               |
| application-body | emep0056usa-01.tif  | 6854         | 2003-12-17               |
| application-body | emep0056usa-02.tif  | 16248        | 2003-12-17               |
| application-body | emep0056usa-03.tif  | 7604         | 2003-12-17               |
| application-body | emep0056usa-04.tif  | 18830        | 2003-12-17               |
| application-body | emep0056usa-05.tif  | 8634         | 2003-12-17               |
| application-body | emep0056usa-06.tif  | 18416        | 2003-12-17               |
| application-body | emep0056usa-07.tif  | 8718         | 2003-12-17               |
| application-body | emep0056usa-08.tif  | 10588        | 2003-12-17               |
| application-body | emep0056usa-09.tif  | 18780        | 2003-12-17               |
| application-body | emep0056usa-10.tif  | 8902         | 2003-12-17               |
| application-body | emep0056usa-11.tif  | 18362        | 2003-12-17               |
| application-body | emep0056usa-12.tif  | 8940         | 2003-12-17               |
| application-body | emep0056usa-13.tif  | 10354        | 2003-12-17               |
| application-body | emep0056usa-14.tif  | 19824        | 2003-12-17               |
| application-body | emep0056usa-15.tif  | 25372        | 2003-12-17               |
| application-body | emep0056usa-16.tif  | 16322        | 2003-12-17               |
| application-body | emep0056usa-17.tif  | 24000        | 2003-12-17               |
| application-body | emep0056usa-18.tif  | 17308        | 2003-12-17               |
| application-body | emep0056usa-19.tif  | 9060         | 2003-12-17               |
| application-body | emep0056usa-20.tif  | 8730         | 2003-12-17               |
| us-declaration   | EMEP0056DEC1.tif    | 46500        | 2003-12-17               |
| us-declaration   | EMEP0056DEC2.tif    | 38844        | 2003-12-17               |
| package-data     | EMEP0056-pkda.xml   | 12087        | 2003-12-17               |
| package-data     | package-data.dtd    | 27025        | 2003-12-17               |
| package-data     | us-package-data.xsl | 19263        | 2003-12-17               |
| Total files size |                     | 1067261      |                          |

Message Digest:

58b2842dcaa771107f21927cfc70e742d65e3c7a

Digital Certificate Holder  
Name:

cn=Winston Hsu,ou=Registered  
Attorneys,ou=Patent and  
Trademark  
Office,ou=Department of  
Commerce,o=U.S.  
Government,c=US